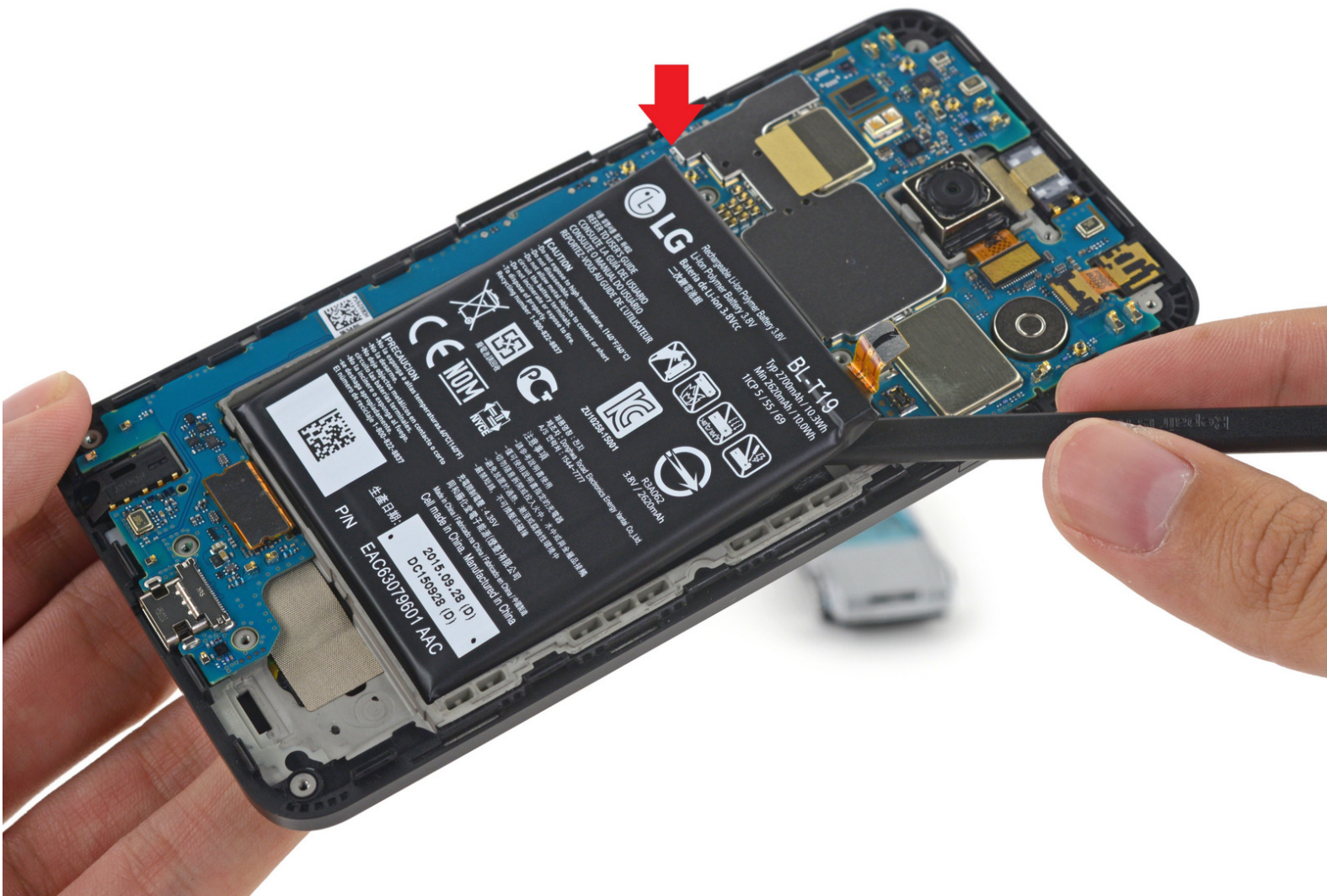




How to Repair Water Damaged Nexus 5x

This guide will show you how to completely disassemble, clean, and ultimately give your device its best chance of survival after water damage.

Written By: Allen Finley

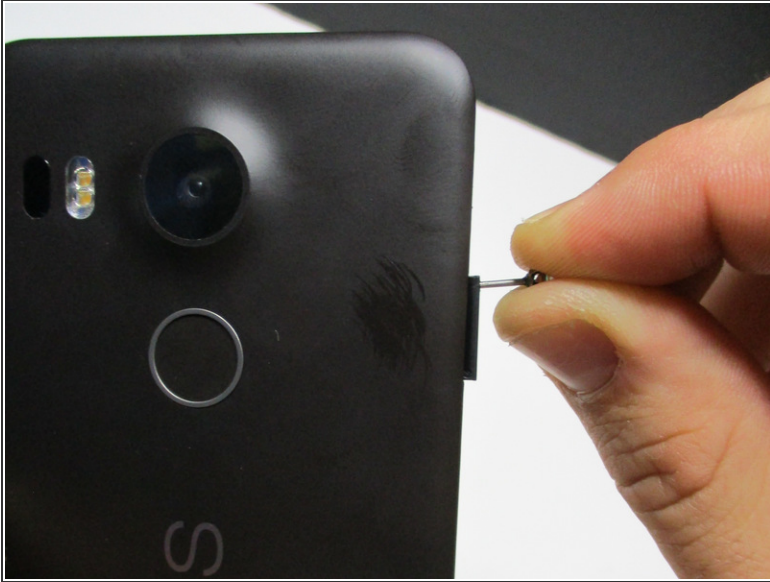




TOOLS:

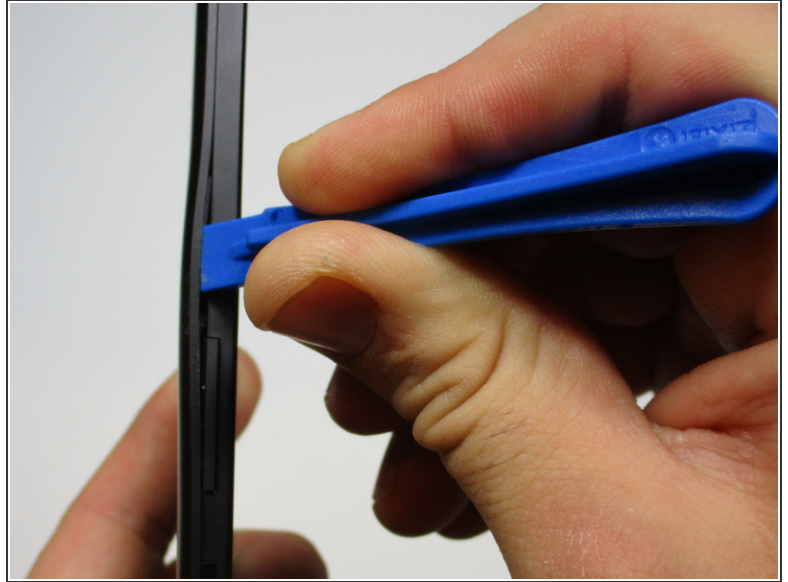
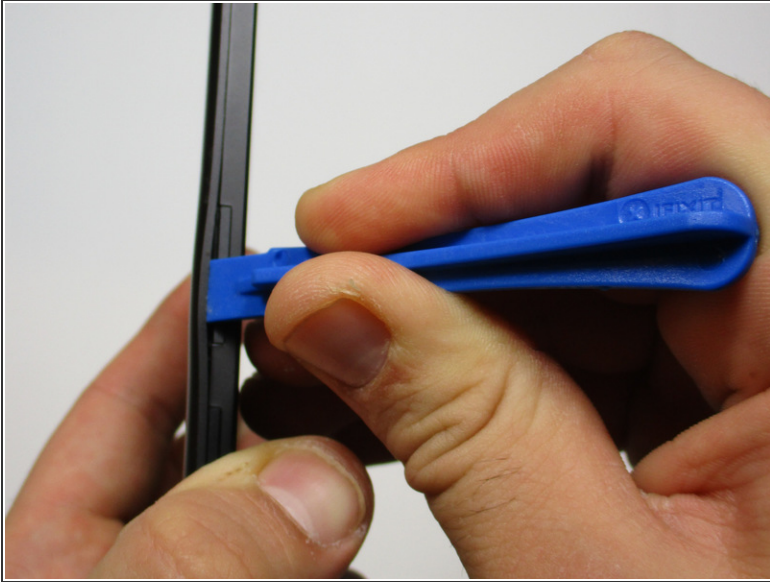
- [Heat Gun](#) (1)
 - [Kitchen Knife](#) (1)
 - [Credit Card / Plastic](#) (1)
 - [Small Phillips Head Screwdriver](#) (1)
 - [91% Isopropyl Alcohol](#) (1)
 - [Q-Tips](#) (1)
 - [Hair Dryer](#) (1)
 - [Toaster Oven](#) (1)
-

Step 1 — Back Panel



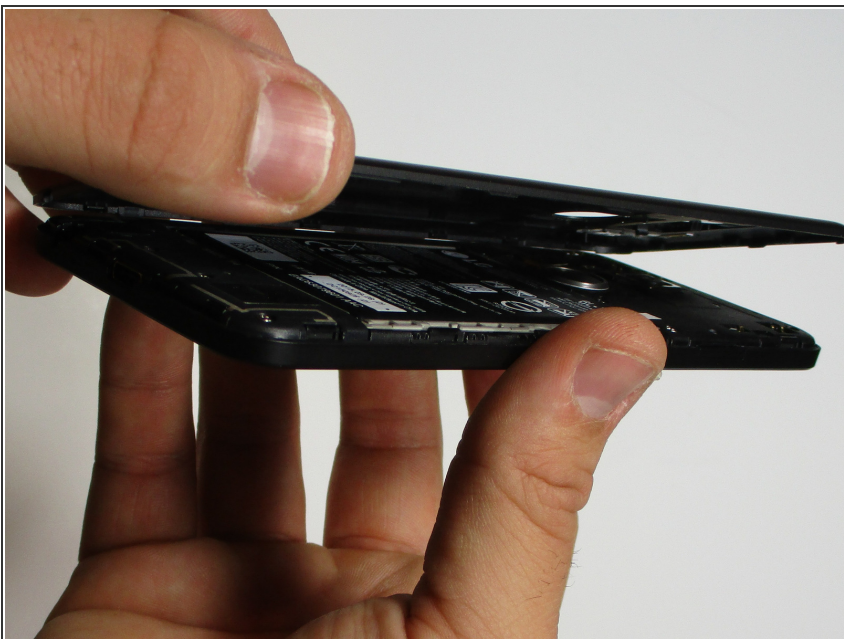
- Insert a SIM card ejection tool into the SIM card slot located on the left edge of the phone.
- Press in with the tool of your choice until it pops out of the side of the phone.
- Remove the SIM card slot tray and set aside.

Step 2



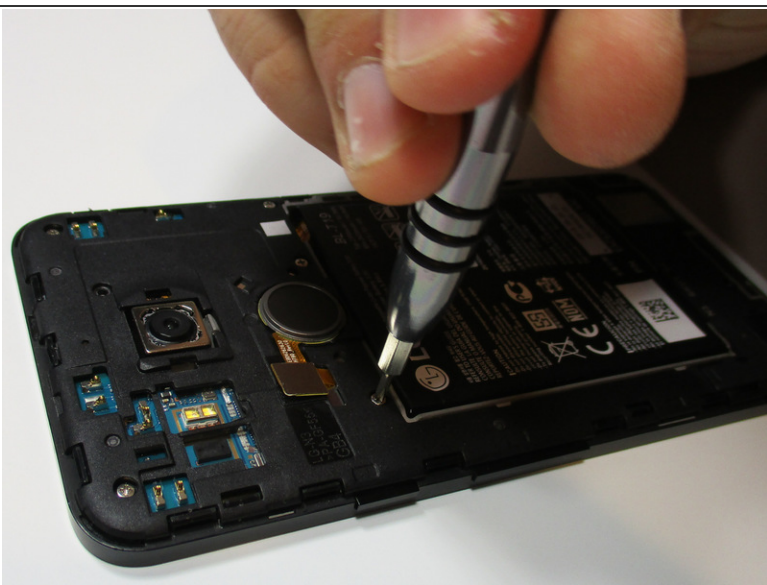
- Starting at the SIM card slot, stick the plastic opening tool in between the back panel and the phone.
- Slide the opener tool gently around the phone until you hear clicks and visibly see the panel separate from the body of the phone.
- Continue this process on each edge of the phone, until the only thing holding the back panel to the body of the phone is the fingerprint scanner.

Step 3



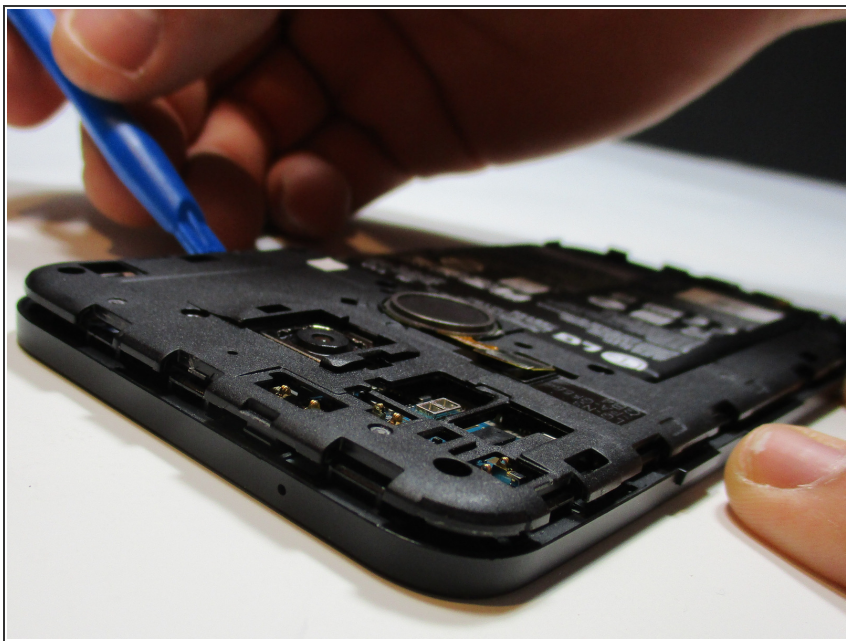
- Gently detach the back panel from the finger print scanner on the back of the phone.

Step 4 — Midframe



- Use a Phillips #000 screwdriver to remove the ten screws that secure the middle frame.

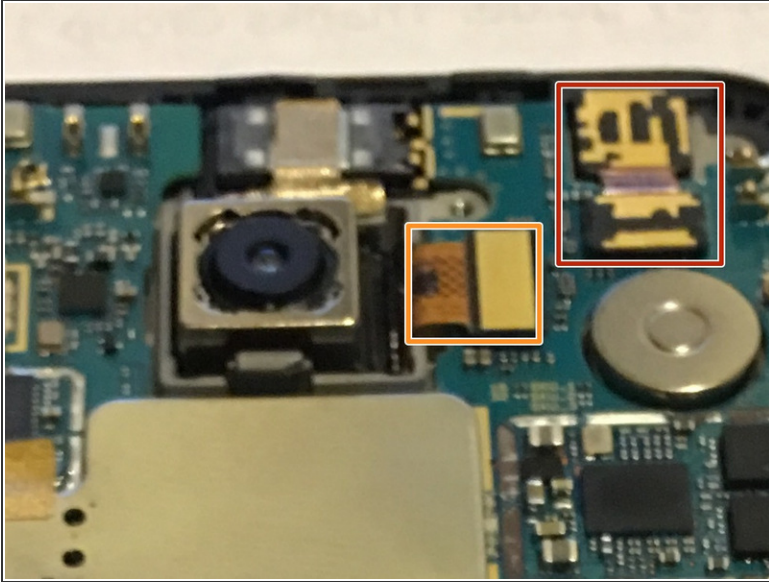
Step 5



- Starting from the bottom, use a plastic opening tool to pry off the middle panel from the phone.

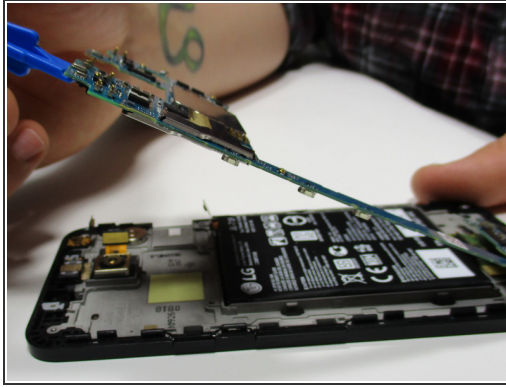
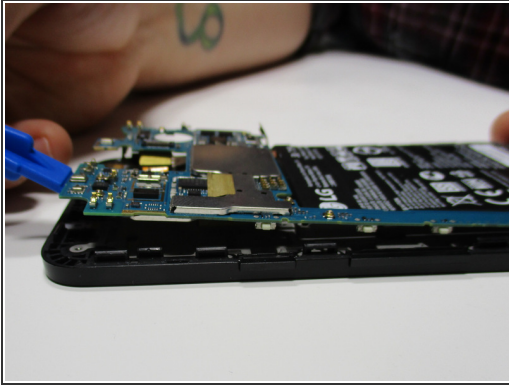
⚠ Be careful when doing this because the middle panel comes in two pieces and if you start at the top, you may break the connection between the two pieces.

Step 6 — Motherboard



- Remove the following four press-fit connectors with the flat edge of a plastic spudger:
 - Front-facing camera connector.
 - Rear-facing camera connector.
 - Battery connector.
 - Digitizer connector.

Step 7



- Insert a plastic opening tool underneath any edge of the top half of the motherboard.
 - Gently lift the motherboard off of the phone's body.
- ⚠ Make sure that none of the ribbon cables get caught on the motherboard while you are releasing it.

Step 8 — How to Repair Water Damaged Nexus 5x



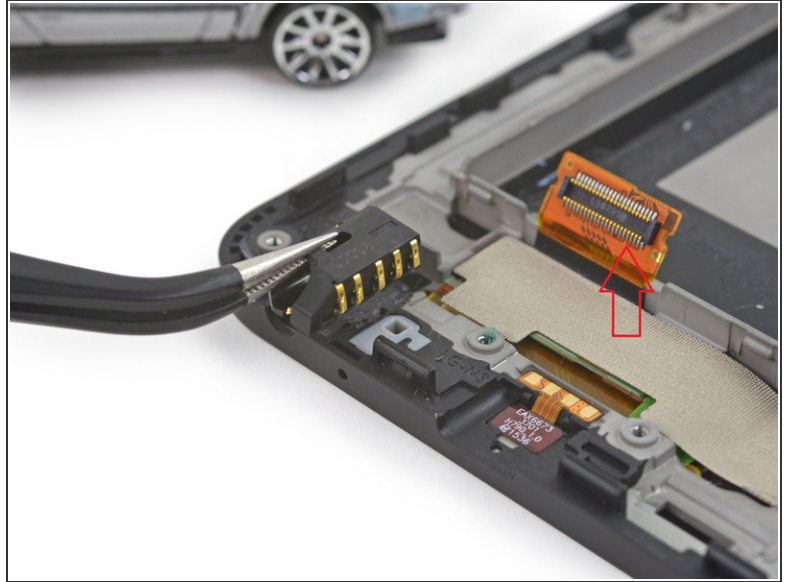
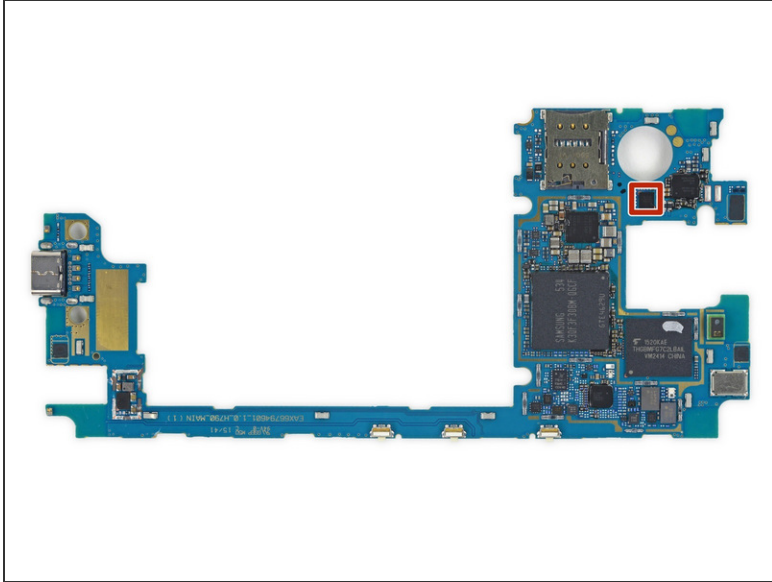
⚠ ESD or Electro-Static Discharge can damage sensitive circuitry so do not touch anything on circuit board, such as connectors and resistors, with your bare hands!

ⓘ This process may not work if you attempted to turn on /charge your device after it was exposed to water.

ⓘ Hardware damage is always a possibility, so this process is only to give your device the best chance of survival.

- After completing the preliminary teardown task you will need to carefully remove metal covers on front and back of the motherboard with your knife.
- They simply unclip and clip back in.

Step 9



- Clean entire board with your Alcohol, making sure all water has been cleaned and all corrosion is gone after alcohol dries.
- ☑ Alcohol MUST be 90% or higher
- Continue cleaning any water within device as well as all connectors.

Step 10



- ⚠ Do not exceed temp greater than 150F to avoid damage to hardware
- Take the screen portion only and place it in your oven/toaster oven that can stay at a constant 140-150F for 2hrs. This will evaporate any water behind the screen that you cannot reach with your alcohol.

Step 11



- Re-assemble and power on!

To reassemble your device, follow these instructions in reverse order.

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